

**SPECIAL HANDLING**

9040-63-636  
Copy No. 1

25X1  
NRO

# L PROGRAM OBJECTIVES

COPY 1 OF 6

- HIGH RESOLUTION.
- SPECIFIC OBJECTIVE TARGETING.
- OPERATIONAL FLEXIBILITY.

ALTERNATE TARGET PROGRAMS - GROUND SELECTABLE.

STEREO/MONO- PROGRAM VARIABLE IN SAME MISSION.

RAPID START/STOP OPERATION - FOR SHORT BURST  
OPERATION - CONSERVES FILM - NO OVERLAP LOSS.

ROLL STEERING  $\pm 30^\circ$  FROM VERTICAL.

MISSION LIFE 4 DAYS

- STELLAR/INDEX CAMERA

NRO review(s) completed.

**SPECIAL HANDLING**

DOCUMENT NO. 105  
NO CHANGE IN CLASS. ☐  
CLASS. EXTENDED ☐  
NEXT REVIEW TO: TS 25X1  
AUTH: NR 102  
DATE: 10-7-81 REVIEWER

25X1

# SPECIAL HANDLING

Approved For Release 2004/12/15 : CIA-RDP66B00728R000300100001-5

## L PROGRAM CHARACTERISTICS

|                     |        |           |
|---------------------|--------|-----------|
| DESIGN ALTITUDE     | N. MI. | 110       |
| ALTITUDE RANGE      | N. MI. | 90-175    |
| LENS                |        | 66" f/5   |
| SCALE AT 110 N. MI. |        | 1:120,000 |

### ● RESOLUTION

|                                           |         |
|-------------------------------------------|---------|
| LENS/FILM (HIGH/2:1 AWA R L/mm)           | 175/120 |
| CAMERA (HIGH/2:1 AWA R L/mm)              | 130/80  |
| GROUND RESOLUTION (HIGH/2:1) @ 110 N. MI. | 3/5 ft  |

### ● FILM

|                |          |
|----------------|----------|
| WIDTH (INCHES) | 5        |
| FORMAT         | 25 x 4.5 |
| CAPACITY (FT)  | 8,000    |

### ● PHOTO COVER

|                              |            |
|------------------------------|------------|
| FRAME SIZE (N. MI.)          | 7.5 x 42.3 |
| VERTICAL COVER (10% OVERLAP) | 1,000,000  |
| BURST SIZE                   | 60 x 42.3  |

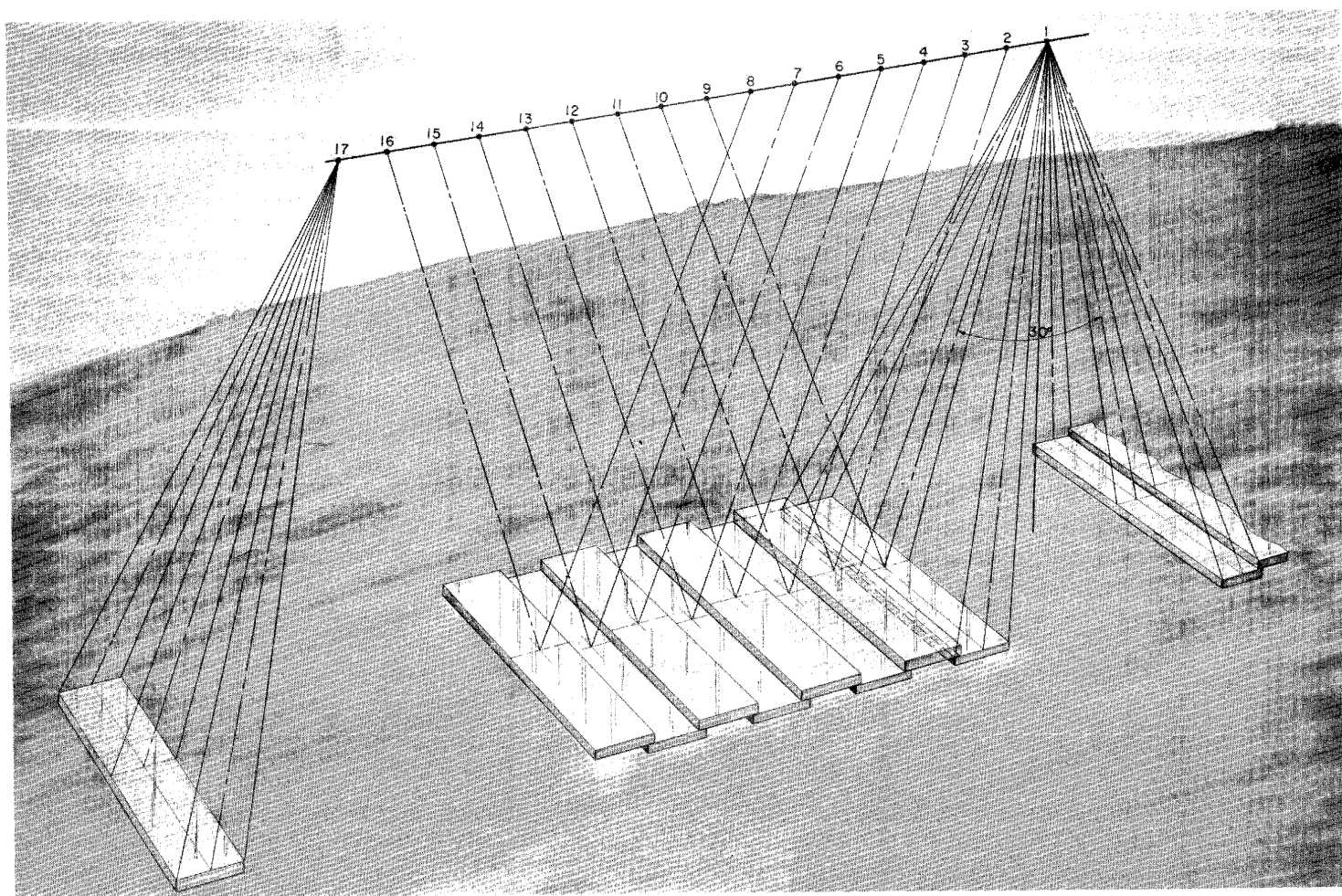
### ● LATITUDE

|                       |          |
|-----------------------|----------|
| COVERAGE (4/10 - 9/5) | TO 75° N |
|-----------------------|----------|

## WEIGHT

|                                                |         |
|------------------------------------------------|---------|
| STRUCTURE & THERMAL SHIELDS                    | 130 LBS |
| SCAN DRIVE ASSEMBLY ( <i>178 LB LENS</i> )     | 270     |
| PLATEN ASSEMBLY                                | 20      |
| FILM TRANSPORT MECHANISM                       | 35      |
| MIRROR DRIVE ASSEMBLY ( <i>40 LB. MIRROR</i> ) | 60      |
| ELECTRONICS & CABLES                           | 75      |
| MISC.                                          | 20      |
| TOTAL PANORAMIC CAMERA                         | 610 LBS |
| CASSETTE                                       | 15      |
| FILM                                           | 75      |
| STELLAR INSTRUMENT                             | 20      |
| TOTAL PHOTO SYSTEM                             | 720 LBS |

Approved For Release 2004/12/15 : CIA-RDP66B00728R000300100001-5

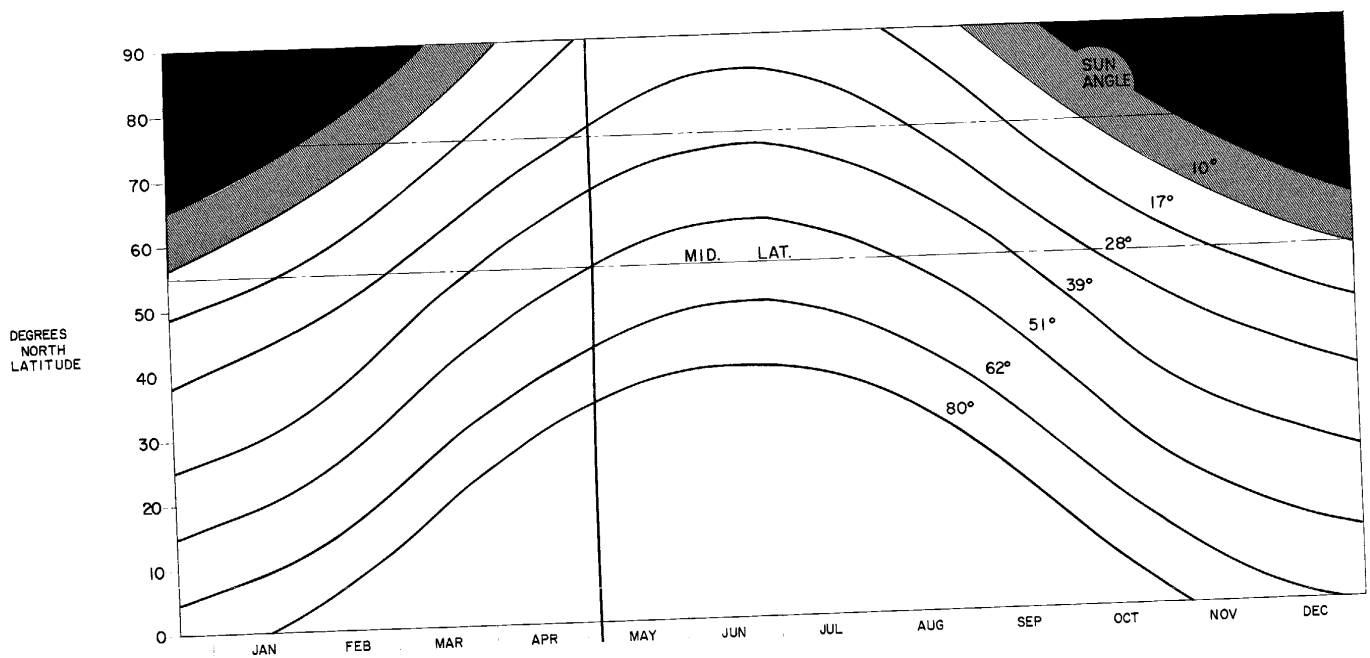


Approved For Release 2004/12/15 : CIA-RDP66B00728R000300100001-5

## SPECIAL HANDLING

Approved For Release 2004/12/15 : CIA-RDP66B00728R000300100001-5

# SUN ANGLE AS A FUNCTION OF LATITUDE



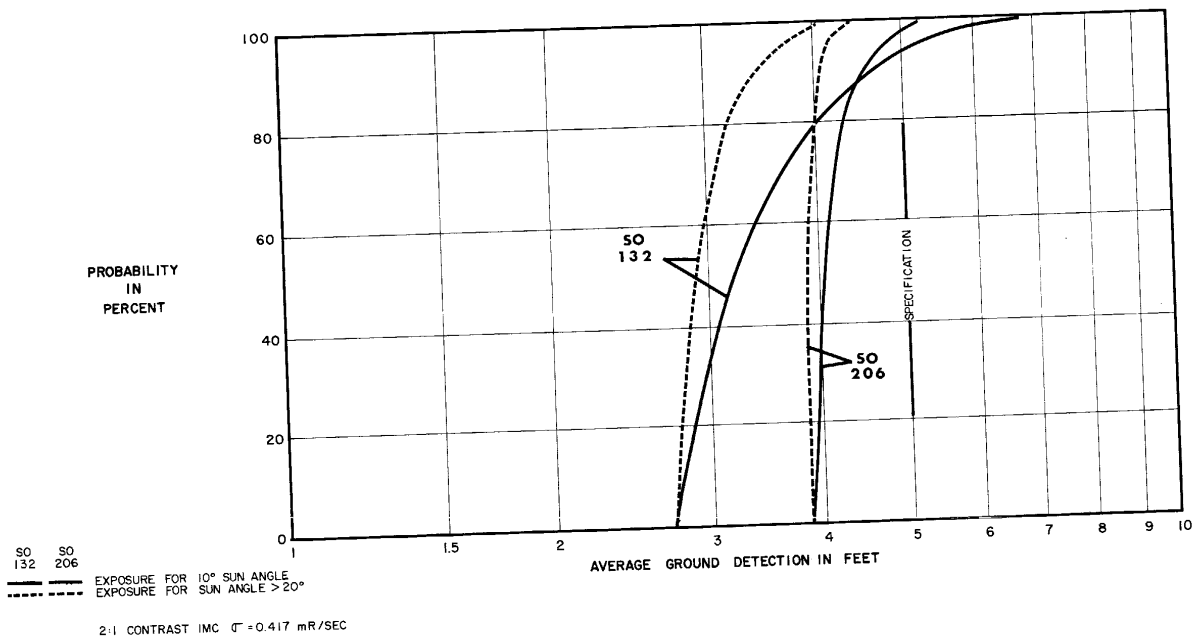
Approved For Release 2004/12/15 : CIA-RDP66B00728R000300100001-5

# SPECIAL HANDLING

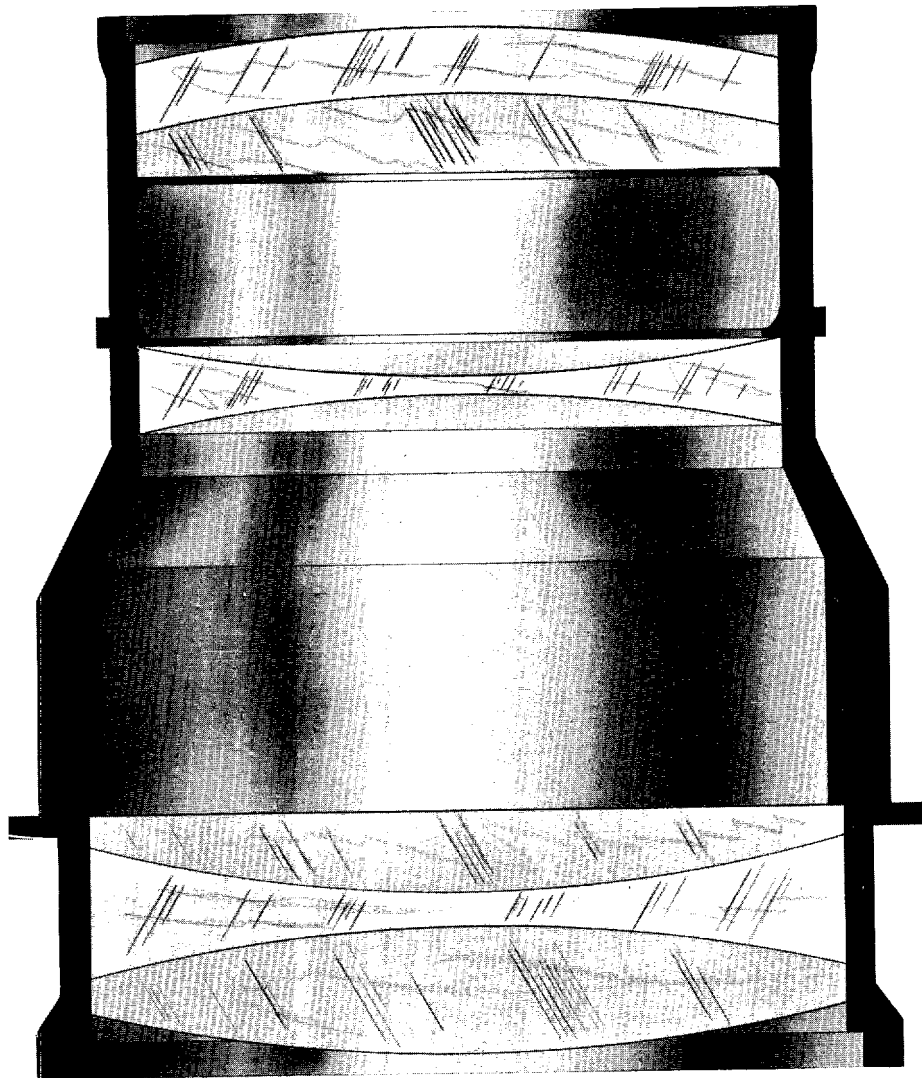
Approved For Release 2004/12/15 : CIA-RDP66B00728R000300100001-5

## STEREO PAN CAMERA SYSTEM

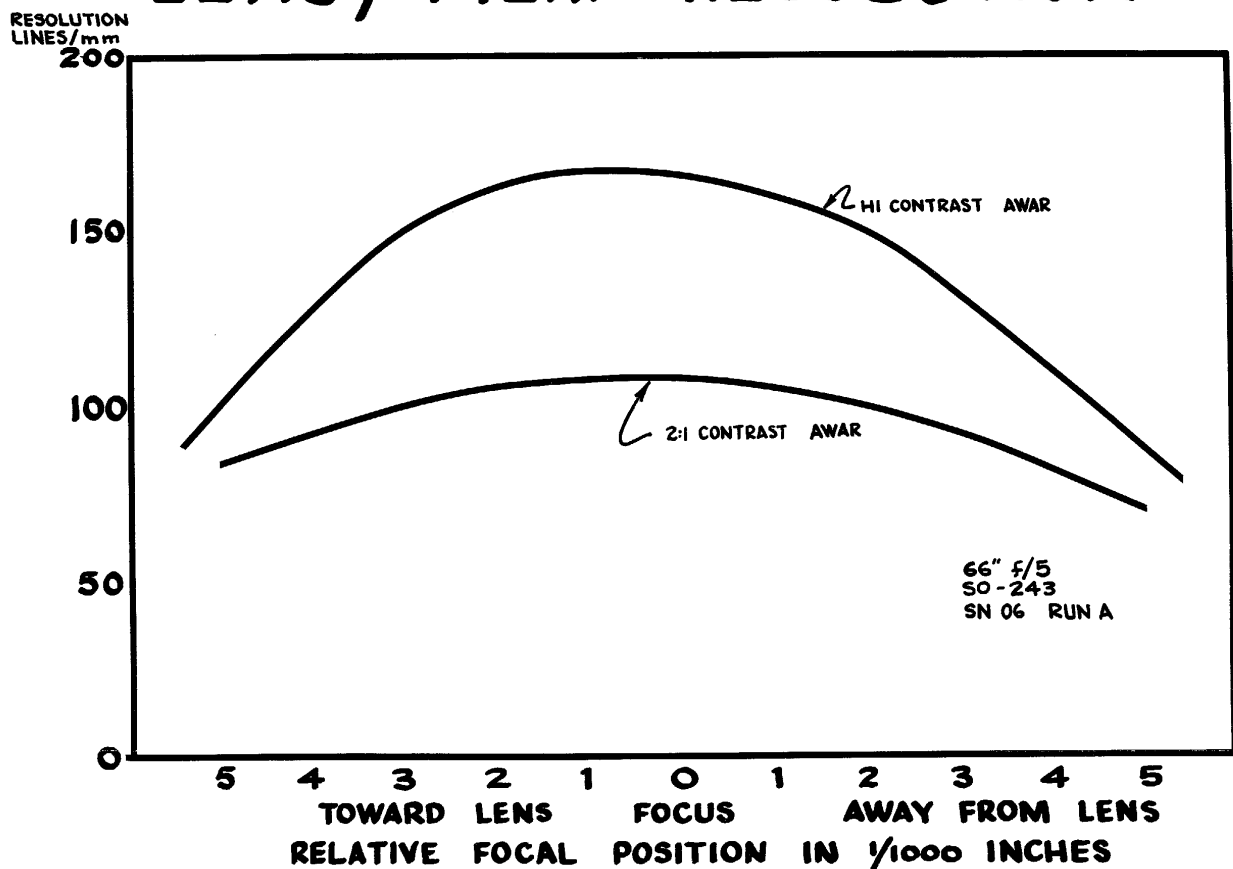
PROBABILITY OF ACHIEVING A GIVEN GROUND DETECTION



GROUND DETECTION FROM 90 N.M.

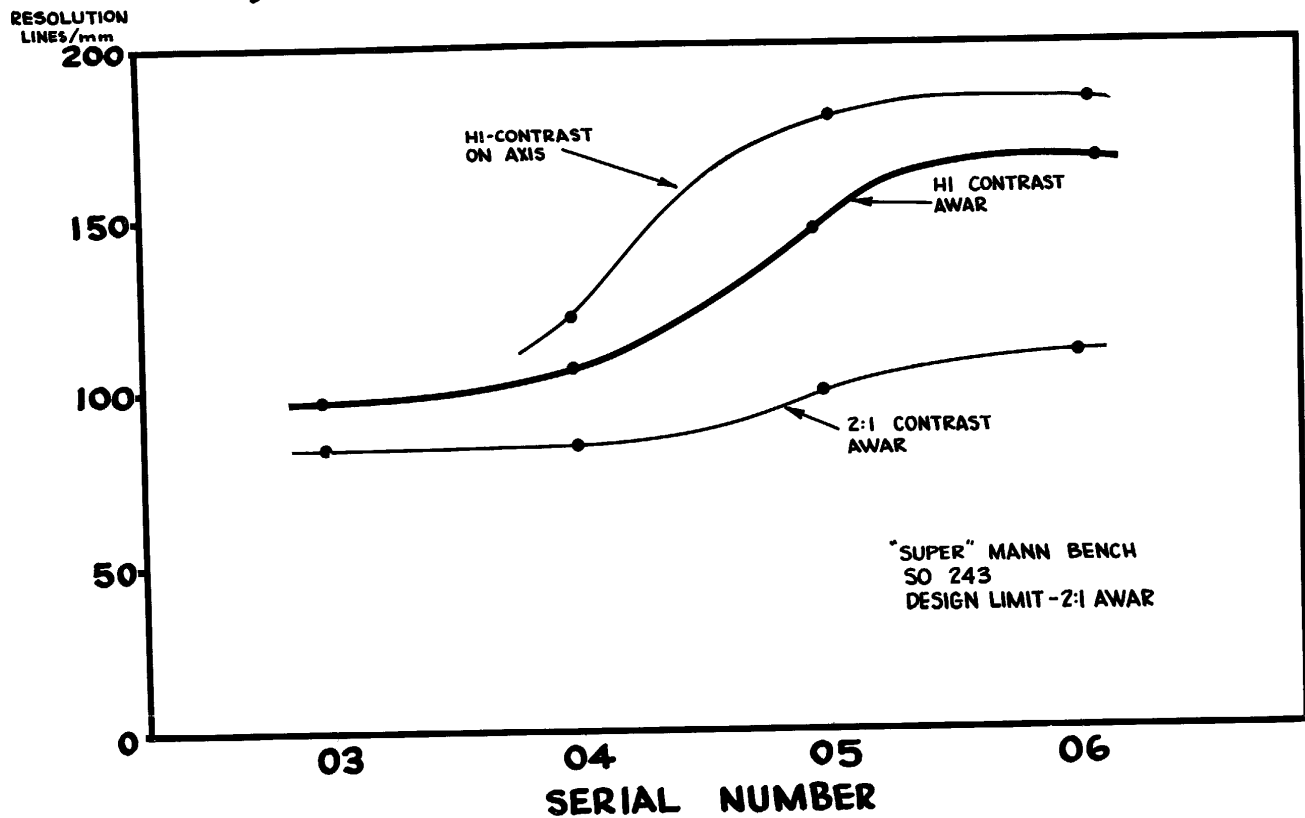


# LENS / FILM RESOLUTION





# 66" f/5 PANORAMIC LENS



# L PAN CAMERA

SYSTEM DESIGN STUDY

DEVELOPMENT & ENG. LAYOUT

DESIGN & DRAFTING

FABRICATION & PROCUREMENT

SUB-ASSY & TEST

FINAL-ASSY & TEST

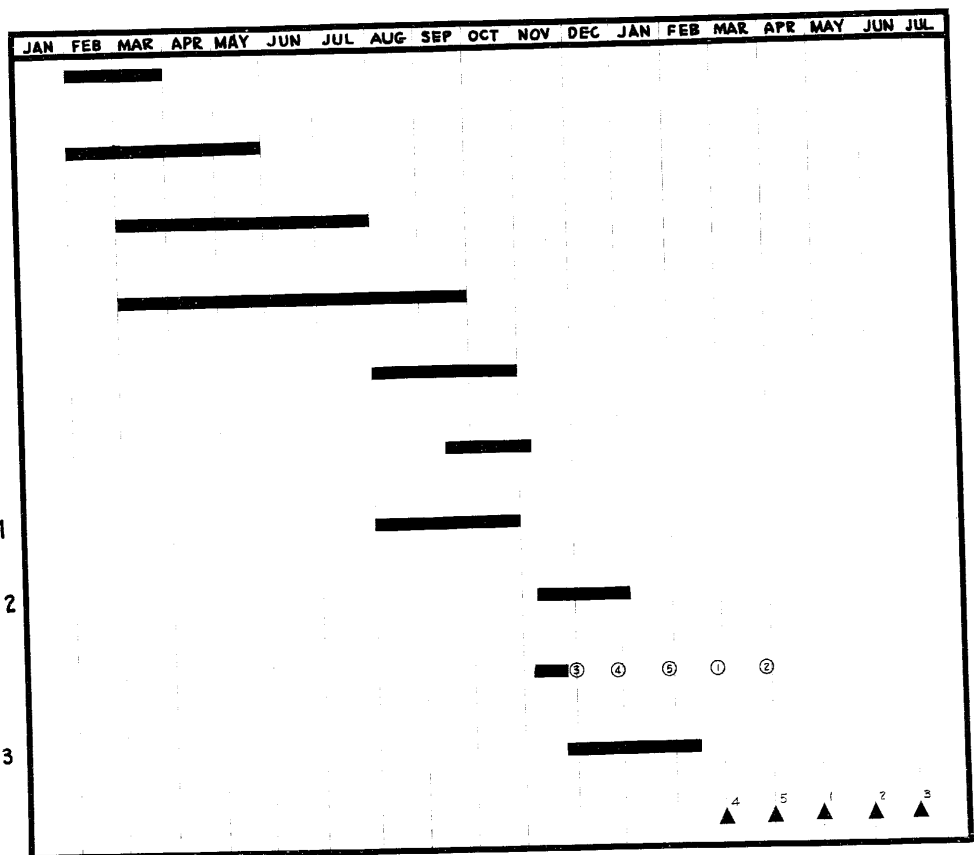
SUB-ASSY QUAL. UNIT 1

SUB-SYSTEM QUAL. UNIT 2

SUB-SYSTEM ACCEPT. & DEL.

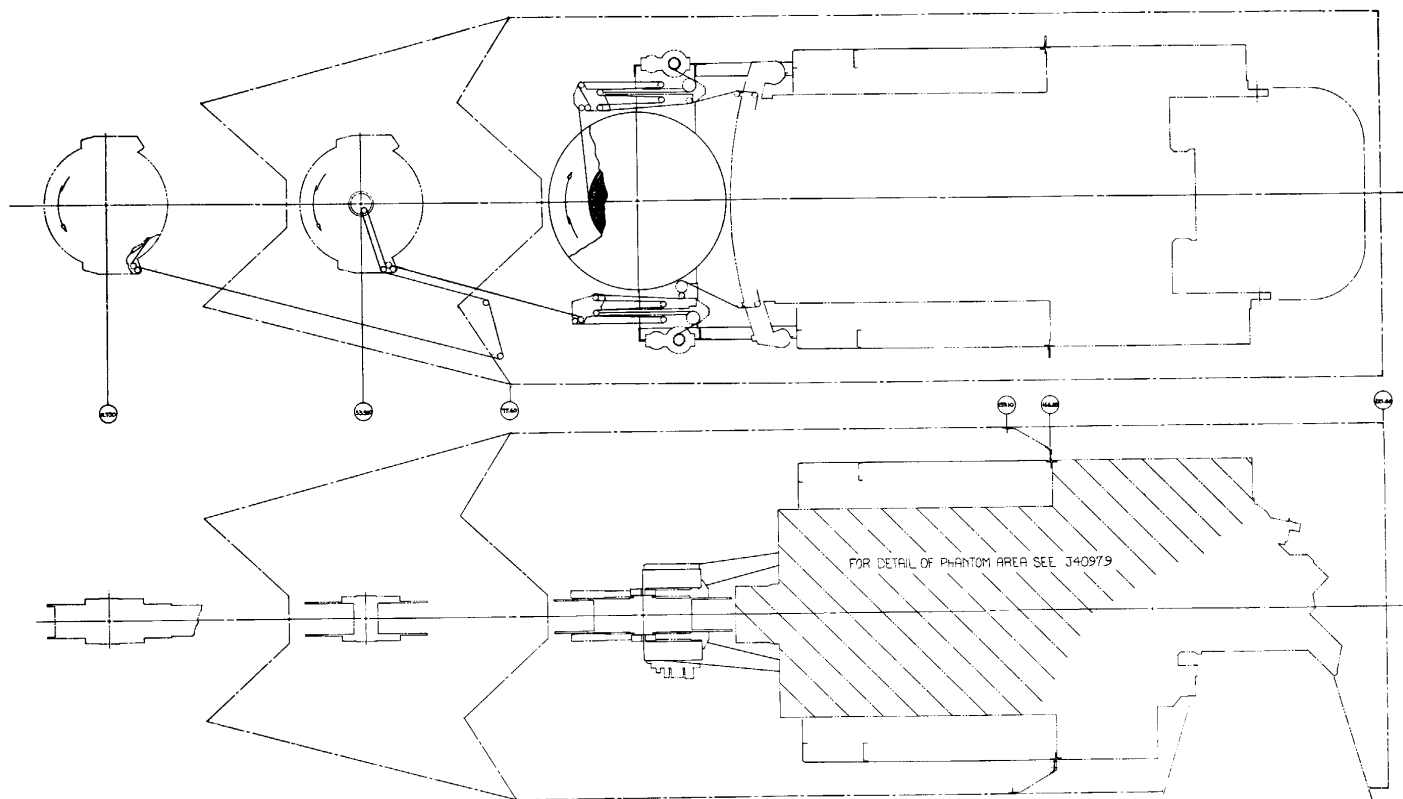
SYSTEM QUAL. UNIT 3

FLIGHT DATES



**SPECIAL HANDLING**

Approved For Release 2004/12/15 : CIA-RDP66B00728R000300100001-5

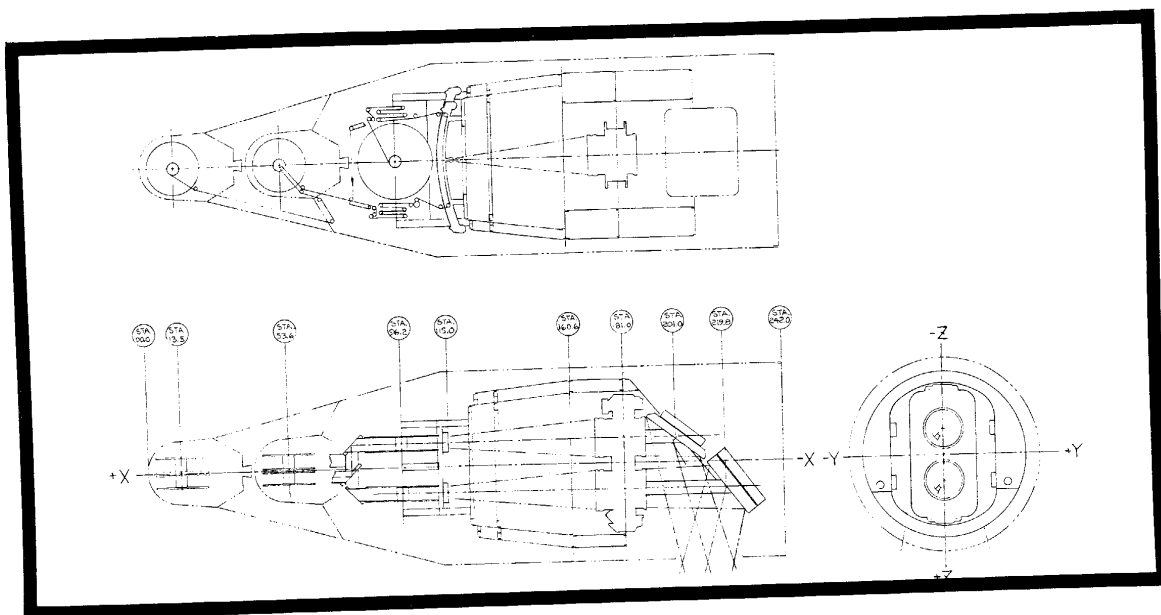


Approved For Release 2004/12/15 : CIA-RDP66B00728R000300100001-5

**SPECIAL HANDLING**

# SPECIAL HANDLING

Approved For Release 2004/12/15 : CIA-RDP66B00728R000300100001-5



## QUAD "L"

"L" COVERAGE WITH EITHER CONTINUOUS STEREO COVERAGE OR 40° STEREO SWATH

### WEIGHT ESTIMATE:

|                                      |                 |
|--------------------------------------|-----------------|
| OUTER STRUCTURE INCLUDING ROLL JOINT | 1040 LBS        |
| PAN INSTRUMENT                       | 1150 LBS        |
| MARK 8 RECOVERY SYSTEM WITH CASSETTE | 415 LBS         |
| FILM                                 | 320 LBS         |
| TOTAL                                | <u>2925 LBS</u> |